SDMS US EPA REGION V -1

SOME IMAGES WITHIN THIS DOCUMENT MAY BE ILLEGIBLE DUE TO BAD SOURCE DOCUMENTS.

WORKSHEET FOR HAZARDOUS WASTE SIFE RANKING MODEL

CHANGE

MINITED STREET

FIT QUALITY ASSURANCE TEAM 15 3452

GENERAL

Site name and location: CAHOKIA | DEMO CEELE

ST CLANE CO

Date(s) of site scoring:

17/14/81 \$4/29/82

Primary source(s) of information (e.g., EPA region, state, FIT, etc.):

--- IEPA FILES -- Belemining Hubogrologie bruestyamm in the Northern Pration
B Road Cherk & Vicinity" - 4181 R. S. Johns.

Factors not scored (assigned 0 for additive and 1 for multiplicative) due to insufficient information:

shot one fill

Comments or qualifications:

In sommy probable

Measured Level or Evidence of Release

Describe substance(s) and nature of release:

RCB's Dichiloration states Chilorophical ins

Describe inethod of measurement or observation:

Labs Aradore in report A Preliminary Hydrogenhouse Investigation in the

Northern Portion of Dead Creek and Viennity" by For St. John - 4/81.

Depth to Aquifer of Concern

Describe/name aquifer of concern:

Why is above aquifer of concern?

Depth and how determined, including sources:

Net Precipitation

Net precipitation and how determined, including source(s):

Premeability of Unsaturated Zone

Soil type(s) in unsaturated zone:

Permeability and how determined, including source(s):

[3] Containment

...

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Method of waste management (e.g., surface impoundment, landfill, etc) of extreme case:

Describe basis for selecting extreme case:

Describe method(s) of waste or leachate containment for above extreme case:

Cite source(s) of information:

6 Physical State

Physical state of waste and source of information:

Persistence

Most persistent compound subject to transport via ground water:

Basis for selecting compound, including source(s):

Applied of water sport samples them on 1975 in

the Composite of the previously challenges.

Basis for selecting persistence rating score:

Who like take taling

Toxicity/Infectiousness

Toxic materials subject to transport via ground water and Sax or NFPA level for each:

PLE - CHE level (:

Cite source(s) of information indicating toxics present on si

Knowle of the 231 prevouch ated lab analysis reports.

Infectious materials present on site and source(s) of information:

Basis for selecting CDC classification of infectious materials:

Total Waste Quantity

r,i

Total waste quantity present, including unit of measurement (e.g., tons, cubic yards drums):

UN KNOWY)

Basis for estimating or computing quantity, including source(s) of information:

8 Ground Water Use

Use(s) of aquifer of concern and source(s) of information:

INDUSTRIAL USE - ILLINOIS WATER SURVEY

Distance to Nearest Well Downgradient

Distance to nearest well downgradient:

At Monthly to what upgardent to the second but caused one of Depresent of average were proportionated men How was downgradient direction(s) established, including source(s) of information:

by to sur 666C

How was distance determined?:

Is nearest building known to be using ground water? Source of information:

- It , they elempted mentioning

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Is nearest well known to be drawing from aquifer of concern? Source of information: 10 Lundry Wager Survey

Population Served by Ground Water Within 3-Mile Radius

Population served with 3-mile radius:

How was population counted or computed, including source(s) of information:

DENNING WELL WAS DELLED FOR INDUSTRIAL TRAC

SIPUL E ST. LOWIS 1980 PER LUNDIS WORDER SURVEY

Is population known: to be served by aquifer of concern? Source of information:

YES. KLINDES WATER SURVEY



1 Measured Level or Evidence of Release

Describe substances and nature of release:

Contaminants deposited directly into creek waters—

Lab analysis of creek downstream and certain company

holding poids show contamination.

Describe method of measurement or observation:

Documented in report of 4/81 previously cited.

2 Site Slope and Terrain

Computation of slope and description of points of measurement:

Cite source(s) of information (topo maps, etc.):

1-Year 24-Hour Rainfall

Amount of rainfall and source of information:

Distance to Surface Water

Distance and description of points of measurement:

Cite Bource(s) of information:

Flood Potential

In what flood plain, if any, is the site located?:.

Cite source(s) of information:

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3 Containment

Describe basis for selecting extreme waste management case:

Describe method(s) of waste or leachate containment for extreme case:

Cite source(s) of information:

8 Surface Water Use

Use(s) of downstream surface water and sources of information:
(2) REFERENCE.

Critical Habitats

Location and descritpion of downstream critical habitat, if any:

Distance and description of points of measurement:

Cite source(s) of information:

Population Served By Surface Water with Water Intake Within 3 Miles Downstream from Site

Population served by water intake(s): ϕ

Is surface water within 3 miles in a tidal estuary?: κ_{10}

to the waster or a second of the second

Description(s) and location(s) of intake(s) and corresponding population served by each:

How was population counted or computed?:

Cite source(s) of water-intake and population information:

Julianis Precio Wiger Supri

1 Evidence of Release

Describe contaminant and monitoring which reveal that background levels have been exceeded?:

Cite source(s) of information:

3 Physical State/Volatility

Physical state of waste and source(s) of information:

Vapor pressure of waste and source(s) of information:

Reactivity

Reactive substances and source(s) of information:

NFPA level for each and basis of selection:

Incompatability

Incompatible substances which are present and source(s) of information:

Basis for selecting incompatibility score:

[5] Distance to Nearest Population

Distance and description of points of measurement:

WITHIN 1/4 MILE - HOUSES ADJACENT TO CREEK

OID THE SAITHEAST

Cite source(s) of information:

TOPOSPOPHIC MAP (CAHOKIA QUAD).

Population Within 1-Mile Radius

Population and how counted or computed:

>10,000 - 10WNS OF CAHOKIA, CENTREVILLE FUNGET

Cite source(s) of information:

TOTOSTATION WAY EMPOPERATION CHARLY.

Land Use

Location and type of determining land use:

MERCHANTER - ABJACCAT WEST

WHICH THE ADJACCAT WEST

WORTH ADJACCAT SOUTHEAST

Distance to determining land use:

Cite source(s) of information:

SIGHAL OBSCIPIALIZE, IEPA FILES.

TOPULATION SERVED (P. 81 OF THE HODEL) 10EIOMTED OF CANZED CAN BE CONVERTED TO AS 1881GATION WATER THE ACRES OF LAW MOJE: BENEMIA ER THAT IF SW IS USED NO POPULATION IS SCENED BY GEOLUID WATER TAHT UP GUOT OHU -31 (NOTTAJUADA SOUCCE SOUCCE OF WATER INTACE ! POPULATION SERVED ... (PROE 8) ADSIGNING THE "L' RANIUNG. INDICATE ORTHCAL HABITAT, EEC. USE JUSTIFY "2" RANKING INDICATE USE OF DOWNSTREM SW TO SW USE (MOE 7) THOMHTHE MS JUSTIFY EANKING. BE SENED BY ADDIFER OF CONCERN? TO SOURCE OF INFO. FOR "15 POPULATION CNOWN TO SOURCE OF INFO " TO JUSTIFY ASSINGED PANCING HOW WAS POLULATION CONPUTED - INCLUDING B) POPULATION SEVED BY GW WITHIN 3-HILE RANUS TO BE DRAWING FROM ABUILER OF CONCERN ?" JUSTIFY (PAGE 5) - Source of INFO FOR "IS NEAREST WELL KNOWN TO BE USING GW?" TO JUSTIFY MOSIGNED PANDING Source of INFO. FOR "19 NEAREST BLDG. ENOUN PER PCGIONAL NAMAGER OF WHAT MAINHTAN MS

CAHOKIA PEAD CREEC

srivari?

18/8-8

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NOTES - D WHERE A PARTICULAR STUDY IS

CITED, NOTE PAGE H'S WHERE INFO. IS

FOUND

- B REMEMBER THAT "PYSICAL STATE" CEFESS.

 TO STATE OF THE WASTE AT THE

 TIME OF DISPOSAL. SO... SHOULD

 "PHYSICAL STATE" RANKING OF "3" LIQUID

 FOR PCB'S BE CHANGED TO A

 "2" SLUDGE? CITE WHERE

 INFO FOUND
 - 3 CHECK IS WASE QUANTY VALUE

 REALLY UNKNOWN
 - TRIOR HISTORY OF SMELL STATES

 "PRIOR HISTORY OF SOME AIR POLLUTION

 IMPACTS (Fuming & Smoldering)".